

DUAL SECTION EXHAUST AFTERTREATMENT

FILTER AND METHOD

ABSTRACT OF THE DISCLOSURE

An exhaust aftertreatment filter (100) is provided for internal combustion
5 engine exhaust, and includes an axially extending cylindrical filter roll (106) having
pleated filter media (110) defining a plurality of axially extending flow channels (130),
and having a first open-flow section (142) with open flow channels (140), and a second
filtering section (148) with alternately sealed flow channels (136, 138) forcing exhaust
to flow through (158) the pleated filter media (110). A core section (142) aides filter
10 regeneration by providing an exothermic reaction. A combination catalytic converter
and filter includes a first catalytic section (142) treated with a catalyst, and a second
filter section (148) with alternately sealed flow channels (136, 138).